

# Rohit Shakya

<https://github.com/rohitshakya/>

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<https://rohitshakya.github.io/>

## EDUCATION

### Department of Computer Science, University of Delhi— M.Sc. Computer Science

JULY 2019 - PRESENT

Aggregate - 6.60 (CGPA)

### Ramanujan College, Kalkaji, New Delhi, University of Delhi— B.Sc. (H) Computer Science

JULY 2016 - MAY 2019

Aggregate - 7.486 (CGPA)

### Kautilya Govt. Sarvodaya Bal Vidyalaya, Chirag Enclave, New Delhi— High School

APRIL 2014 - MARCH 2015

Aggregate: 79.25%

## SKILLS & TOOLS

C, C++, Python, Java, PHP, SQL, NoSQL, Javascript, HTML, Cloud hosting, Data visualization, and Analytical skills, Development frameworks (Laravel, React), Bootstrap, Wordpress, Communication, and Collaboration tools (Slack, Github, Skype, etc.), Office Suites, and Email communication.

## AWARDS & ROLES

- 5 Star programming certification at the HackerRank Platform.
- Organizer and Lead Developer in Turington Technical Fest- Ramanujan College
- Former Chess Captain- Ramanujan College
- Got 2nd and 3rd Position at Cypher-o-more and Chakrvyuh respectively in Sankalan'20.

## PROJECTS

### Buffer Cache Simulation

JANUARY 2020 - MARCH 2020

Simulated the buffer cache and get the block algorithm as a python application, project in the operating system, and by developing this project, I assimilate and learned about:

- Scenarios of retrieval of buffers.
- Structure of the buffer pool and buffer header.
- Algorithms for reading and writing disk blocks.
- Working in a multiprocessing environment.
- Process synchronization.

### PHP based Blog Posting Site

APRIL 2019 - MAY 2019

Developed and Deployed a blog posting site from scratch featured with the blogging service, user authentication, weather report, news, and geolocation coordinate system that streams data over the globe and broadcast news in a more timely manner.

- Mysqli
- PHP and PHP Curl API
- PHP Mailer Library
- Bootstrap
- JS and REST API's
- RDBMS

### JSON Formatter & Convertor

June 2020 - July 2020

Constructed a JSON Formatter using (String manipulation and file handling techniques) CPP to help folks with debugging, formatting, and beautifying the JSON data so that it is easy to read and debug and used for further processes and can be converted into other formats as well.